

Such price and payment will be full compensation for all work covered by this section, including but not limited to, furnishing all materials, placing and maintaining the special stilling basin(s) and removal and disposal of silt accumulations and bag.

Payment will be made under:

Pay Item

Special Stilling Basins

Pay Unit

Each

SECTION 1640 COIR FIBER BAFFLE

1640-1 DESCRIPTION

Furnish material, install and maintain coir fiber baffles according to the details in the plans or in locations as directed. Install coir fiber baffles in silt basins and sediment dams at drainage outlets. Work includes providing all materials, placing, securing, excavating and backfilling of coir fiber baffles.

1640-2 MATERIALS**(A) Coir Fiber Mat**

Provide matting to meet Table 1640-1.

TABLE 1640-1 COIR FIBER MAT PROPERTIES	
Property	Requirement
Composition	100% coconut fiber (coir) twine woven into high strength matrix
Thickness	0.30" minimum
Tensile Strength	1348 x 626 lb/ft minimum
Elongation	34% x 38% maximum
Flexibility (mg-cm)	65030 x 29590
Flow Velocity	Observed 11 ft/sec
Weight	20 oz/sy
Size	6.6 x 164 ft (120 sy)
"C" Factor	0.002
Open Area (measured)	50%

(B) Staples

Provide staples made of 0.125 in. diameter new steel wire formed into a U-shape not less than 12" in length with a throat of 1" in width.

(C) Posts

Provide steel posts at least 5 ft in length, approximately 1 3/8" wide measured parallel to the fence and have a minimum weight of 1.25 lb/ft of length. Equip the post with an anchor plate having a minimum area of 14.0 sq.in. and of the self-fastener angle steel type to have a means of retaining wire and coir fiber mat in the desired position without displacement.

(D) Wire

Provide 9-gauge high tension wire strand of variable lengths.

(E) Attachment Device

Provide No. 9 staple with at least 1 1/2" length or other approved attachment device.

Section 1650

1640-3 CONSTRUCTION METHODS

Place the coir fiber baffles immediately upon construction of sediment dams and basins. Install 3 baffles in basins with a spacing of 1/4 the basin length and according to the detail sheets. Install 2 coir fiber baffles in basins less than 20 ft in length with a spacing of 1/3 the basin length.

Place steel posts at a depth of 2 ft below the basin surface, with spacing of no more than 4 ft. The top height of the coir fiber baffles shall not be below the elevation of the emergency spillway base of dams and basins. Attach a 9-gauge high-tension wire strand to the steel posts at a height of 3 ft with plastic ties or wire fasteners. Install a steel post into side of the basin at a variable depth and a height of 3 ft from the bottom of the basin to anchor coir fiber mat. Secure anchor post to the upright steel post in basin with wire fasteners.

Drape the coir fiber mat over the wire strand with at least 3 ft of material on each side of the strand. Secure the coir fiber mat to the posts and wire strand with wire staples or other acceptable methods. Place staples across the matting at ends and junctions approximately one foot apart at the bottom and side slopes of basin. Overlap matting at least 6" where 2 or more widths of matting are installed side by side. Refer to details in the plans. The Engineer may require adjustments in the stapling requirements to fit individual site conditions.

1640-4 MEASUREMENT AND PAYMENT

Coir Fiber Baffles will be measured and paid as the actual number of linear feet of coir fiber baffles which are installed and accepted. Such price and payment will be full compensation for all work covered by this section, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to install the coir fiber baffles.

Payment will be made under:

Pay Item	Pay Unit
Coir Fiber Baffles	Linear Foot

SECTION 1650 WOODED AREA CLEANUP

1650-1 DESCRIPTION

Remove and satisfactorily dispose of debris and of dead, partially dead or broken vegetation from wooded areas of the right of way outside clearing limits and from other areas outside construction limits on which seeding and mulching is not to be performed. Work includes treating stumps with herbicide and repairing any damage to vegetation.

Cutover timberland, reforested areas or thickets of young native volunteer vegetation will be considered to be wooded areas.

1650-2 MATERIALS

Refer to Division 10.

Item	Section
Herbicide	1060-13

1650-3 CONSTRUCTION METHODS

Remove all logs, stumps, snags, loose roots, down timber, slabs, tree laps, lumber, dead or partially dead trees, broken trees or brush, dead brush, sawdust piles, discarded fences, leaf piles, brick, tile masonry and other debris from the cleanup areas. Cut, all dead trees, stumps, snags, broken or partially dead trees and brush, flush with the ground. Remove vegetation which dies between initial cleanup and completion of the project before final acceptance. Hand raking of areas or removal of a normal leaf layer is not required unless stated in the contract.